

The Knowledge Bank at The Ohio State University
Ohio State Engineer

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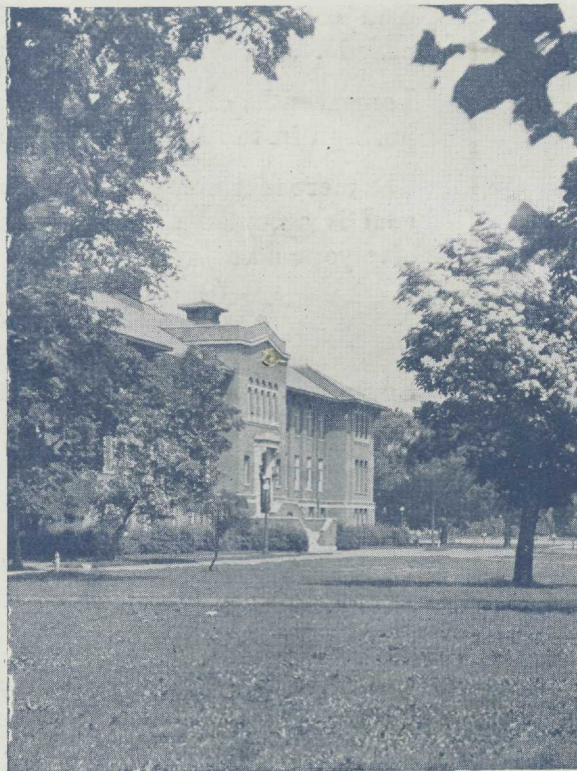
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THE OHIO STATE ENGINEER



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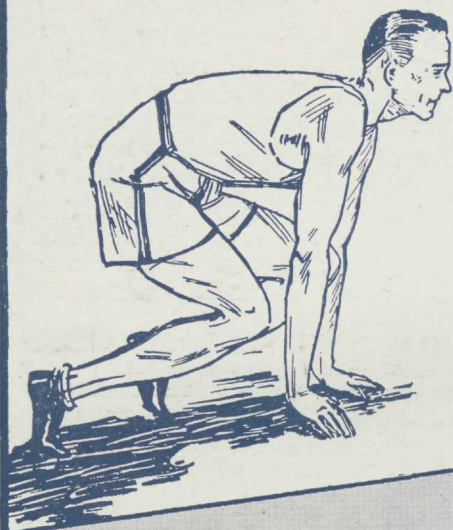
Traditions Day

∴ Number ∴

MAY

1928

This race called ~ *BUSINESS!*



American Subsidiaries
~
Combustion
Engineering Corporation
~
Heine Boiler Company
~
Ladd Water Tube
Boiler Company
~
Dry Quenching
Equipment Corporation
~
International Coal
Carbonization Co.
~
Raymond Brothers
Impact Pulverizer Co.

To the Class of '28

You are soon to take your place in this race called business.

Long months of training have earned for you a position in the line-up a chance to start.

The mere fact that you toe the mark and face the goal is accepted as an assurance that you will give your best.

It may be a long grind, and up-hill part of the way . . . but the reward is well worth the effort.

So, on your mark get set go into this race called **business**, to shops and factories and furnaces, to offices and drafting boards and desks, into the open, with transit and level, to mines, refineries and smelters, to power stations, boiler houses and turbine rooms.

. . . . And carry with you this assurance the road identified with fuel burning and steam generation need not be up-hill.

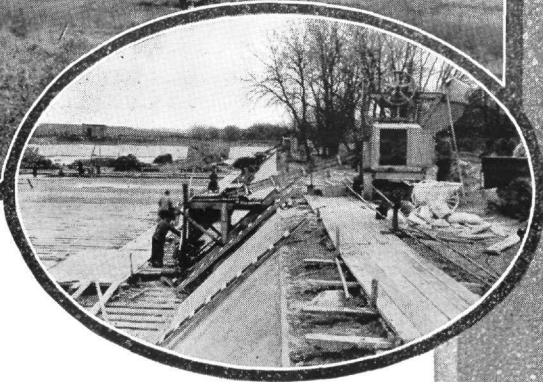
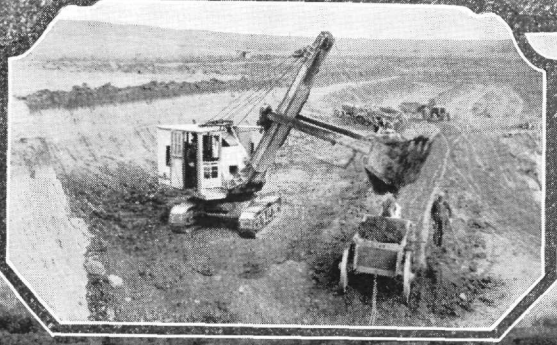
The knowledge, experience and friendly counsel of this organization are always available to you.

George E. Leonard

President

**International Combustion Engineering
Corporation**

200 Madison Avenue, New York



In Sioux Falls— building the new disposal plant

WHEREVER you find construction work in progress, be it an engineering triumph or a lesser achievement, it is quite probable you will find Koehring Heavy Duty equipment.

One of these typical projects is the disposal plant at Sioux Falls, South Dakota, where a Koehring No. 301 Heavy Duty Shovel did the excavation work and two Koehring Heavy Duty Mixers produced the re-mixed concrete.

The large view gives a comprehensive idea of the entire plant while the smaller illustration in the upper left shows the Heavy Duty Shovel excavating part of the 100,000 yards which were moved on this job. The Koehring mixers, shown in the oval inset, turned approximately sixty carloads of cement, together with proportionate amounts of sand and crushed stone, into dominant strength concrete.

In thousands of places the story of Koehring equipped jobs is the same as that in Sioux Falls—Koehring dependability wins.

KOEHRING COMPANY
MILWAUKEE, WISCONSIN

Manufacturers of
Pavers, Mixers—Gasoline Shovels, Cranes and Draglines.

The revised edition of "Concrete—Its Manufacture and Use," a complete treatise and handbook on present methods of preparing and handling concrete, is now ready for distribution. To engineering students, faculty members and others interested we shall gladly send a copy on request.



KOEHRING

A New Development in Pumping Equipment

THE MOST POWERFUL centrifugal pump ever planned for boiler feeding has been built for the Edison Electric Illuminating Co., Boston, Mass., by the A. S. Cameron Steam Pump Works.

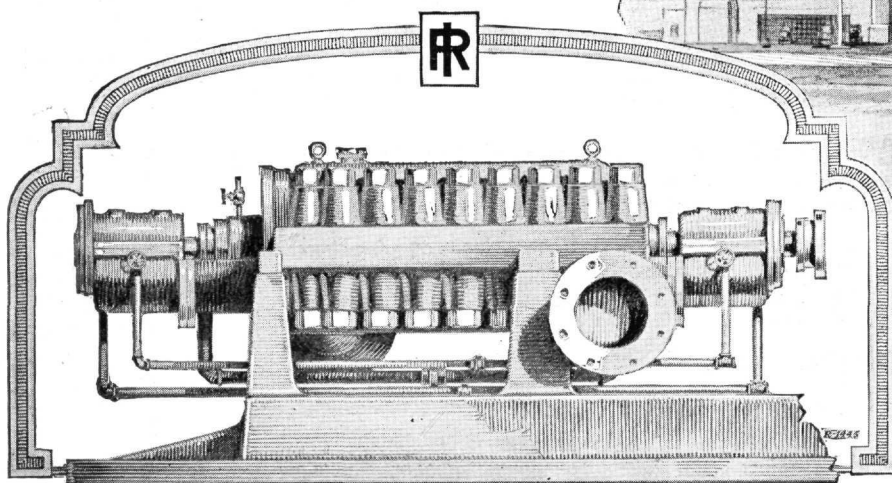
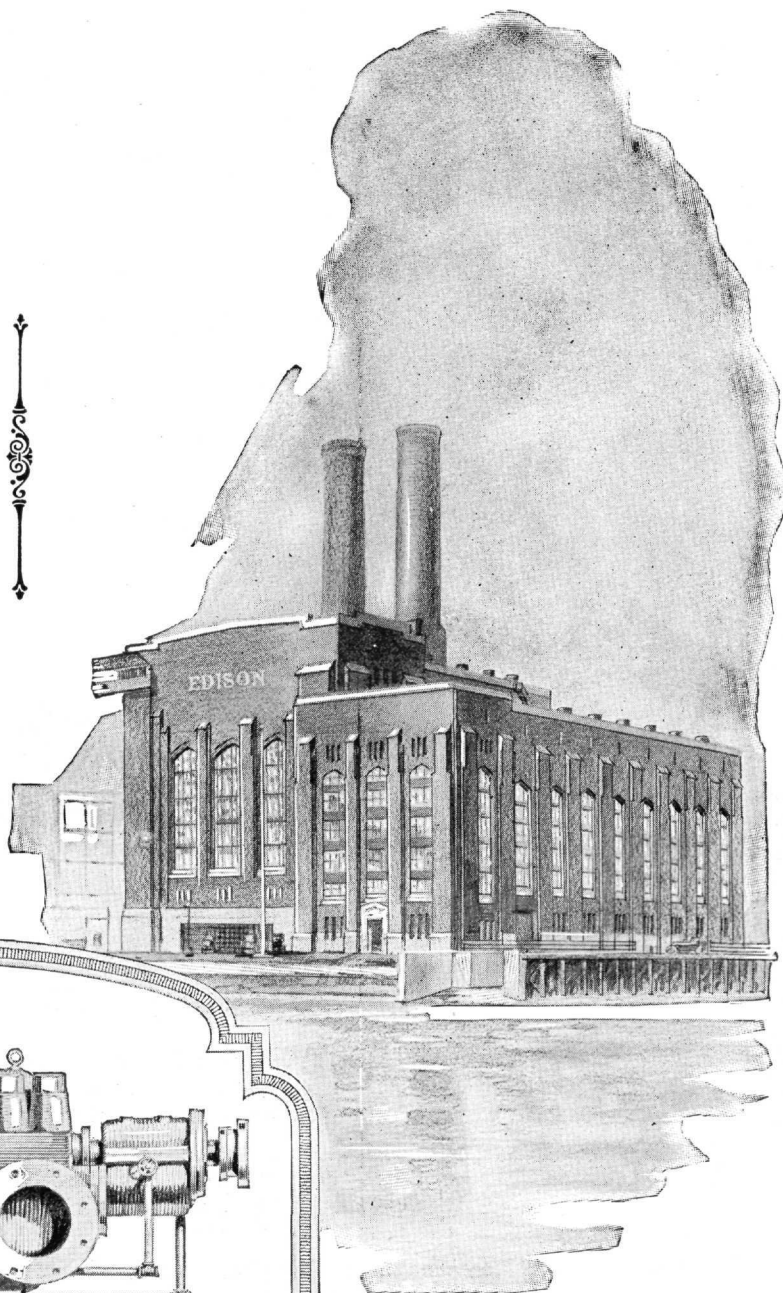
This pump, a six-stage unit, has a capacity of 1910 g. p. m. against 1600 lbs. pressure at 3670 r.p.m. It is direct-driven by a 2450-hp. steam turbine.

The casing is of cast steel. The thrust has been taken care of in accordance with the Company's standard practice, which employs a balancing drum supplemented by a Kingsbury Thrust Bearing.

The new Edison plant was designed and built by Stone & Webster, Inc., under the supervision of Mr. I. E. Moulthrop, Chief Engineer of the Edison Company.

INGERSOLL-RAND COMPANY

A. S. Cameron Steam Pump Works
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This type of unit represents the latest advance in high-pressure pumping equipment.

Ingersoll-Rand

A. S. CAMERON STEAM PUMP WORKS

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by the students in the College of Engineering, Ohio State University

Vol. XI

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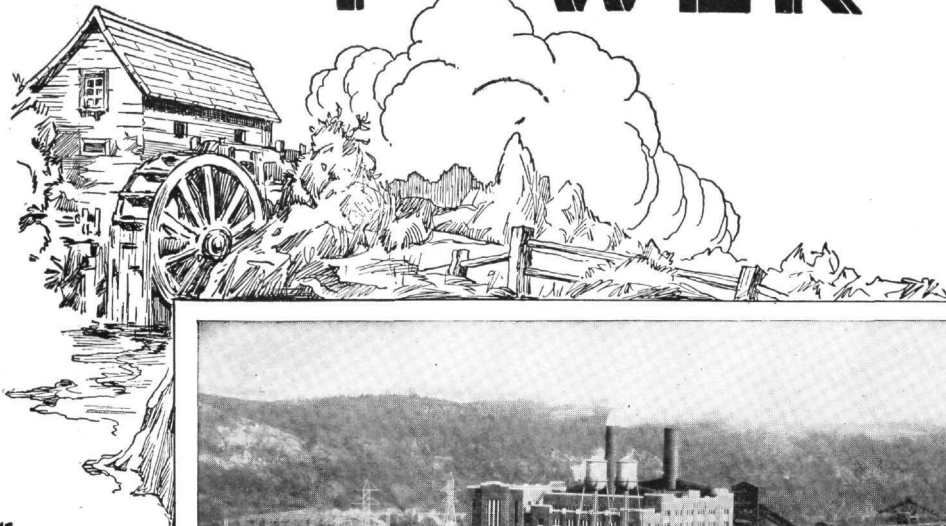
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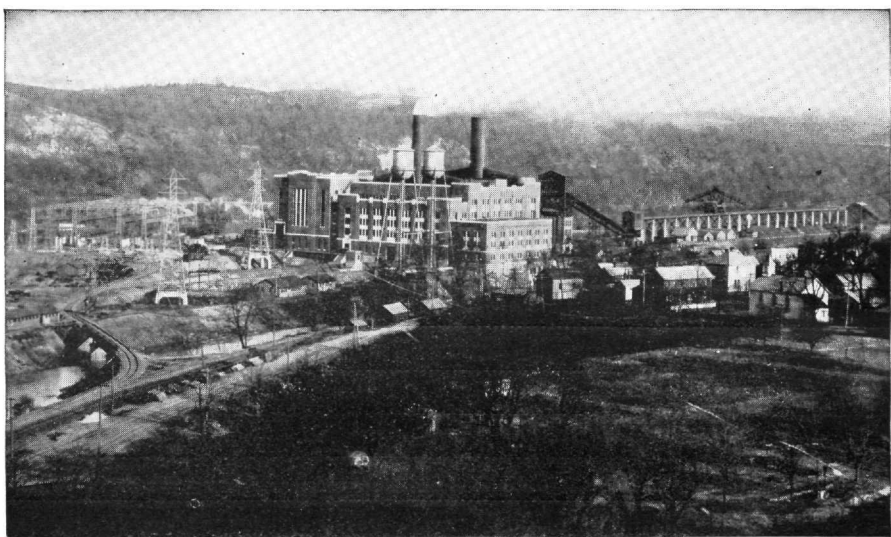
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POWER



The
Wheels
of
Progress
Turn



PHILO POWER STATION, PHILO, OHIO, CONSTRUCTED BY THE FOUNDATION COMPANY

WHEN our forefathers built their primitive water wheels to use the power of running water, little did they dream of the super-power plants to be developed later. Nor could the early scientists, who first experimented with electricity, have conceived of the extensive uses to which it could be put.

In this age of power its advancement has been more and more due to the public which uses it, and which owns a large part of the securities issued for the erection and maintenance of the generating plants.

New uses and new users of power are tremendously increasing the demand for the enlargement of existing stations, and the construction of new ones, both steam and hydro-electric.

The Foundation Company, in constructing many of these super-power plants, has been serving the public over a period of years.

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BUILDERS OF SUPERSTRUCTURES AS WELL AS SUBSTRUCTURES